

**ARKANSAS DEPARTMENT OF HEALTH
ON-SITE WASTEWATER
APPROVED PRODUCTS AND MATERIAL LIST
April, 2010**

This is a listing of products approved for use with standard, alternate, and experimental sewage disposal systems that are in addition to the products listed in *Rules and Regulations Pertaining to Onsite Wastewater Systems, Designated Representatives, and Installers*. All products on this list must be installed according to the procedures and directions provided by the manufacturer. Failure to do this voids this approval. The telephone numbers are, in most cases, for the manufacturer of the product. To find a local distributor, you may try the number listed or the local environmental health specialist.

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
PLASTIC SEPTIC TANKS	DEN HARTOG INDUSTRIES 712-752-8432	AST-1000-2 / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	A.K. INDUSTRIES 219-936-6022	1000 & 1300 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	COON MANUFACTURING 800-843-1532	1000 & 1500 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	ROTH GLOBAL PLASTICS 1-866-943-7256	1060, 1250, & 1500 gallon heavy duty / may be used as holding tank or pump chamber/ each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	NORWESCO, INC. 1-800-328-3420	1000, 1250, & 1500 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles Bruiser heavy duty 1000, 1250, & 1500 gallons / may be used as holding tank or pump chamber/ each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles Rochester Rotational Molding 1000, 1250, & 1500 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles / may be used as a pump chamber

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
PLASTIC SEPTIC TANKS con't	SNYDER INDUSTRIES, INC. 1-870-358-3400	1050,1250, & 1500 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles 1050, 1250 & 1500 gallons / heavy duty / may be used as holding tank or pump chamber / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	INFILTRATOR SYSTEMS, INC. 1-800-221-4436	TW series polyethylene septic tanks / 1050, 1250, & 1500 gallon
FIBERGLASS SEPTIC TANKS	ALPHA GENERAL SERVICES, INC.	1050,1200,1350,1500,1650, 2200,2700,3200,3700,4300, 4800,5300, &5800 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	ARKANSAS COMPOSITES 501-796-8469	1000 gallon / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	CONTAINMENT SOLUTIONS 1-800-537-4730	Custom built up to 50,000 gallons / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
	DESERT SUN	1000, 1250, 1500, 1750, & 2000 gallon / each tank supplied with Schedule 40 inlet & outlet baffles
	ORENCO, Inc. Nealy of Northwest Arkansas 1-479-685-5772	1000 & 1500 gallons / manufactured by Orenco in Oregon, assembled in
	MOORE BROTHERS 1-479-846-5440	1000 & 1500 gallons / manufactured by Orenco in Oregon, assembled in
	SOUTHERN MANUFACTURING 1-409-962-4501	1000 gallon / each tank to be supplied with 4 inch Schedule 40 inlet & outlet baffles
PLASTIC DISTRIBUTION BOXES	AMERICAN MANUFACTURING COMPANY, INC 1-800-345-3132	4-8 hole polyethylene D-boxes with flow control devices available
	INFILTRATOR SYSTEMS, INC 1-800-221-4436	4 hole polyethylene D-boxes
	TUFF-TITE	4-8 hole polyethylene D-boxes / leveling devices available

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
PLASTIC DISTRIBUTION BOXES con't	1-800-382-7009 CLARUS ENVIRONMENTAL 1-501-513-4751 POLYLOK	Model # 173-0001 / 5 outlet polyethylene D-box / can be re-leveled easily after installation Model #3017-12 / 4 & 7 Hole / Leveling Devices Available
COMPOSTING TOILET	CLIVUS MULTRUM, INC. 1-508-794-1700 SUN MAR CORP. 1-416-332-1314	Composting toilets are for human body wastes only. All other liquid wastes must be disposed of by a method and in a manner approved by the Arkansas Department of Health.
PLASTIC DIVERSION DEVICES	AMERICAN MANUFACTURING COMPANY, INC 1-800-345-3132 QUANICS, Inc. 1-877-782-6427	4 inch, PVC, two position Bull Run Valve supplied with direction control handle / water-tight GDS-ZS-300 D Flow Director / PVC, tee style construction / comes with direction control handle
GRAVEL SUBSTITUTES AND REPLACEMENTS Large Diameter Gravel-less Pipe NOTE: All gravel-less pipe products must be installed in trenches no wider than twelve inches. Chambers	A.D.S. INC / HANCOR 1-800-733-7473 MULTI-PIPE 1-800-780-5121 PRINSCO, INC. 1-800-992-1725 QUAIL PIPING PRODUCTS, INC. 1-888-919-7473 SPRINGFIELD PLASTICS (phone number not available) ADVANCED DRAINAGE SYSTEMS, INC.	8 inch diameter, corrugated, perforated, polyethylene pipe with soil fabric wrap / use with ADS fittings only / 12 inch maximum trench width 8 inch diameter, corrugated, perforated, polyethylene pipe with soil fabric wrap / use with MPI fittings only / 12 inch maximum trench width 8 inch diameter, corrugated, perforated, polyethylene pipe with soil fabric wrap / use with PRINSCO fittings only / 12 inch maximum trench width 8 inch diameter, corrugated, perforated, polyethylene pipe with soil fabric wrap / use with SDR-35 PVC fittings only / 12 inch maximum trench width 8 inch diameter, corrugated, perforated, polyethylene pipe with elastic soil fabric wrap / use with SPRINGFIELD PLASTICS fittings only / 12 inch maximum trench width Bio-Diffuser 2 (18 inch trench width) / use with Bio-Diffuser end caps only

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
NOTE: Chambers must be installed in trenches no more than six-inches wider than the product.	1-800-733-9987	ARC-18 18 inch wide trench / articulated for curved trenches/ use with ARC-18 end caps only
	CULTECH, INC.	ARC-24 24 inch wide trench / articulated for curved trenches/ use with ARC-24 end caps only
	INFILTRATOR SYSTEMS, INC. 1-800-221-4436	Contactor EZ- 24 (18 inch trench width) only / use with Contactor end caps only
		EQ-24 18 inch trench width only / use with INFILTRATOR end caps only
		EQ-36 24 inch trench width only / use with INFILTRATOR end caps only
		Quick 4 EQ-24 / 18 inch wide trench / articulated for curved trenches / use with INFILTRATOR Quick 4 end caps only
		Quick 4 EQ-24 Low Profile / 18 inch wide trench / articulated for curved trenches / use with INFILTRATOR Quick 4 end caps only
		Quick 4 EQ-36 24 inch trench width only / articulated for curved trenches / use with INFILTRATOR Quick 4 end caps only
		Quick 4 EQ-36 Low Profile / 18 inch wide trench / articulated for curved trenches / use with INFILTRATOR Quick 4 end caps only
Multiple pipes	MULTI-PIPE 1-800-780-5121	PTI MPS-9 only. Designed for 24 inch wide trenches
Tire Chips (shreds)	DAVIS RUBBER COMPANY 501-374-1473	NOTE: Specifications for tire chips used in soil absorption systems are:
	EATON MOERY ENVIRONMENTAL 870-755-5331	◆ Nominal 2-inch size (may range from ½ inch to a maximum of 4 inches in any one direction.
	WEST RIVER VALLEY REGIONALSOLID WASTE	◆ Exposed wire may protrude no more than ½ inch from chip.
Tire Chips (shreds) con't		◆ At least 95% of chips by weight must comply with specifications.
		◆ Fines (dust, dirt, grit, etc.) less

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
Polystyrene Aggregate	<p>MANAGEMENT DISTRICT 479-785-2651</p> <p>JEFFERSON COUNTY RECYCLING 870-541-5358</p> <p>INFILTRATOR SYSTEMS, INC. 1-800-221-4436</p> <p>ICC FLOWTECH, Inc. 1-877-422-3569</p>	<p>than 2mm in size are prohibited.</p> <p>Smart Rock Models SR-12P, SR2-12P, & SR3-10T</p> <p>EZ-1003T & EZ-1202 / 24 inch maximum trench width</p> <p>EZ-1201 P / 18 inch maximum trench width</p> <p>EZ-1201 P-GEO / factory installed geo-textile</p> <p>Model # FTSG 141 H-1 & Model # FTSG 121 H-1 for eighteen inch trenches</p> <p>Model # FTSG 122 H-1 & Model # FTSG 103 T-1 for twenty-four inch trenches</p>
PUMP TANKS	<p>ROTH GLOBAL PLASTICS 1-866-943-7256</p> <p>NORWESCO, INC. 1-800-328-3420</p> <p>SNYDER INDUSTRIES, INC. 1-870-358-3400</p>	<p>RMT 900, 100E, 1060, 1250, & 1500 gallon heavy duty septic tank</p> <p>Bruiser heavy duty septic tank 1000, 1250, & 1500 gallons</p> <p>Rochester Rotational Molding 1000, 1250, & 1500 gallons</p> <p>1050, 1250 & 1500 gallon heavy duty septic tank</p>
EFFLUENT FLOW CONTROL DEVICES	<p>UNITED CONCRETE PRODUCTS / POLYLOK 1-203-269-3119</p> <p>QUANICS, Inc. 1-877-782-6427</p>	<p>Dipper box / 4 outlets</p> <p>GDS-ZS-300 Flow Divider (divides effluent flow into two equal flows)</p>
PEAT BIOFILTERS	PURA-FLOW (BORD NA MONA) 1-501-513-2540	Pre-treat with septic tank equipped with Zabel A-100 filter and dose tank

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
	PREMIER TECH 1-205-408-9691	must be 75% capacity of required septic tank Ecoflo Bio-Filter / Septic tank pretreatment / effluent filter recommended
SYNTHETIC MEDIA FILTER	ORENCO SYSTEMS, INC. 1-501-796-2563	Advantex AX-20 & AX-20RT Synthetic media filter treats effluent from septic tank with effluent filter
HOME AEROBIC SEWAGE TREATMENT UNITS (To be installed only by distributors licensed in Arkansas)	AQUAKLEAR 1-877-936-7711 ECOLOGICAL TANK CO. 1-877-247-7643 BIO-MICROBICS 1-800-753-3278 CLEARSTREAM, INC. 1-800-586-3656 CONSOLIDATED TREATMENT SYSTEMS 1-937-746-1446 HYDRO-ACTION, INC. 1-800-370-3749 JET, INC. 1-440-461-2000 NORWECO, INC. 1-419-668-4471 ACQUIRED WASTEWATER TECHNOLOGIES 1-318-746-5122 SOUTHERN MANUFACTURING 1-800-992-4501 TEX-AIRE 1-318-752-3700	Rated at 500, 600, 750, 1000, & 1500 gallons / day Concrete, Fiberglass, or polyethylene tank Aqua Safe Rated at 500, 600, 750, 1000, & 1500 gallons / day Micro FAST 0.5 (500 gallons per day) Rated at 500, 600, 750, 1000, & 1500 gallons / day Multi-flow / rated at 500, 600, 750, 1000, & 1500 gallons / day Nyadic / Rated at 600, 750, 1000, 1250, & 1500 gallons / day Rated at 500, 900, 1000, 1100, & 1500 gallons / day Jet-Aire rated at 500 gallons / day Rated at 600, 750, 1000, 1250, & 1500 gal / day Cajun Aire. Rated at 500, 750, & 1000 gallons / day Mighty Mac Rated at 500 gallons / day Rated at 500, 600, 750, 1000, & 1500 gallons per day Rated at 500, 750, & 1000 gallons per day

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
	<p>QUANICS 1-877-782-6427</p> <p>CLARUS ENVIRONMENTAL 1-800-928-7867</p>	<p>AeroCell ATS-SCAT-8-AC-C500 Open cell foam media / Units rated at 500, 750, 1000, 1250 & 1500 gallons / day</p> <p>Bio-COIR ATS-SCAT-8-BC-C500 Coconut husk media / Units rated at 500, 750, 1000, 1250 & 1500 gallons / day</p> <p>FUSION Rated at 450, 600, 800 GPD systems / aeration plus fixed media</p>
AEROBIC TREATMENT UNITS WITH ULTRAVIOLET LIGHT DISINFECTION	<p>BIO-MICROBICS 1-800-753-3278</p> <p>CONSOLIDATED TREATMENT SYSTEMS 1-937-746-1446</p> <p>NORWECO, INC. 1-419-668-4471</p> <p>ORENCO SYSTEMS, INC. 1-501-796-2563</p> <p>QUANICS 1-877-782-6427</p>	<p>MicroFast 0.5</p> <p>Enviro-Guard 750</p> <p>Singulair TNT-500</p> <p>AdvanTex AX20</p> <p>Aerocell ATS-SCAT-8-AC-C500</p>
WASTEWATER DISINFECTION UNITS	<p>JET, INC. 1-501-835-2451 (Kuykendall Co.)</p> <p>NORWECO, INC. 1-419-668-4471</p> <p>NORWECO, INC. 1-419-668-4471</p> <p>NORWECO, INC. 1-419-668-4471</p> <p>EXCELTEC / SANURIL 1-800-621-9189</p>	<p>Jet-Chlor / 2½ inch tablet feed</p> <p>Bio-Dynamic Series 1500 & 2000 / 2½ inch tablet feed</p> <p>BK 2000 Bio-Kinetic Wastewater Management System (includes both an effluent filter and a disinfection unit)</p> <p>Bio-Dynamic LF 500</p> <p>Sanuril or Exceltec Model 200 / 2½ inch tablet feed</p>
WASTEWATER DISINFECTION PRODUCTS	<p>NORWECO BIOSANITIZER NORWECO, INC 1-419-668-4471</p> <p>NORWECO BLUE CRYSTAL</p>	<p>2½ inch tablets / for flows over 1500 GPD</p> <p>2½ inch tablets / for flows under 1500 GPD</p>

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
	NORWECO, INC 1-419-668-4471	
SEPTIC TANK EFFLUENT FILTERS	<p>ORENCO SYSTEMS, INC. 1-501-796-2563</p> <p>ZABEL, INC. 1-800-221-5742</p> <p>POLYLOK</p> <p>NORWECO, INC 1-419-668-4471</p> <p>TUF-TITE, INC. 1-800-382-7009</p> <p>CLARUS ENVIRONMENTAL 1-800-928-7867</p> <p>BOWCO</p>	<p>Biotube Effluent Filter. 4, 6, & 8 inch diameters for residential & small commercial applications.</p> <p>Models A100-10X16, A100-10X30, A300-10X20, A300-10X30, A1800-4X18, A1800-4X22, A100-8X12, A100-8X18, A100-8X26, A100-8X32, A300-8X12, A300-8X18, A300-8X26, A300-8X32</p> <p>PL-122 Must attach to sch. 40 outlet pipe (not to tank wall)</p> <p>PL-68 / fits into existing Sch 40 outlet baffle</p> <p>PL-525 Septic Tank Effluent</p> <p>PL-625 Grease Trap Effluent</p> <p>BK 2000 Bio-Kinetic Wastewater Management System (includes both an effluent filter and a disinfection unit) Model EF-4</p> <p>Model EF-6 / only use in tanks with 36-39 inch liquid depth</p> <p>Model P/N 170-0078</p> <p>Model 50007 / up to 4000 gpm / cluster of four 170-0078</p> <p>EF-235</p>
PRESSURE EFFLUENT FILTERS	GAG SYM-TECH	For use with pumped (dosed) systems / installed down stream from pump in the dose chamber.
PRESSURE EFFLUENT FILTERS cont	QUANICS 1-877-782-6427	PDS-PF-1.5 & PDS-PF-2.0 / For use with pumped (dosed) systems / installed down stream from pump in

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
		the dose chamber.
<p>INLET AND OUTLET SEALS FOR SEPTIC TANKS, DOSE TANKS, and DISTRIBUTION BOXES</p> <p>NOTE: All seals used with septic tanks & dose chambers must pass the ASTM 923 watertightness test. Seals not passing this test may be used in “no pressure” applications such as distribution boxes</p>	<p>PRESS-SEAL GASKET CORPORATION 1-800-348-7325</p> <p>POLYLOK, INC. 1-800-234-3119</p> <p>TUF-TITE, INC. 1-800-382-7009</p>	<p>To be cast in concrete septic tanks during manufacture</p> <p>To be cast in concrete septic tanks during manufacture POLYLOK I – Black / Not designed to pass ASTM 923 water-tight test</p> <p>POLYLOK II – Red / designed to pass ASTM 923 water-tight test</p> <p>POLYLOK III – High pressure seal / designed to pass ASTM 923 water-tight test</p> <p>TS-4PRO & TS-4 – Rubber / designed to pass ASTM 923 water-tight test</p> <p>TS-4NW Not designed to pass ASTM 923 water-tight test</p>
PUMP VAULTS	<p>CONCENTRIC PUMP VAULTS 406-227-6792</p> <p>DELTA ENVIRONMENTAL</p> <p>ORENCO, INC. 1-501-796-2563</p> <p>QUANICS 1-877-782-6427</p> <p>CLARUS ENVIRONMENTAL 1-800-928-7867</p>	<p>BPF-8 12 FI</p> <p>DEPV-49-20-1 DEPV-57-20-1 Maximum draw down 2 inches</p> <p>Biotube pump vault / special use conditions apply including 250 gallon increase in septic tank size, 3 inch maximum draw-down, minimum of 3 feet from inlet baffle to vault, and audio/visual alarm required</p> <p>FPV-H-44-2 & FPV-H-A101 / May not be used in septic tanks where the inlet of the pump vault is less than 40% of the liquid depth</p> <p>Low head Model 170-0101</p> <p>High Head Turbine Filtered Pump Vault Model 170-0126</p>
<p>DRIP Dispersal TUBING</p> <p>All drip systems must be installed according to the procedures and specifications outlined in the current Drip Dispersal Manual</p>	<p>GEO-FLOW 1-800-828-3388</p> <p>NETAFIM</p>	<p>All drip tubing must use pressure-compensating emitters.</p> <p>All drip tubing must use pressure-</p>

PRODUCT CATEGORY	MANUFACTURER	COMMENTS
	1-610-222-9989	compensating emitters.
DOSING SIPHONS	ORENCO SYSTEMS, INC. 1-501-796-2563	2 & 3 inch siphons for residential / commercial sizes available
AEROBIC BIOLOGICAL GENERATORS	INFILTRATOR SYSTEMS, INC. 1-800-221-4436	Aqua Worx